

FHWA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.	STPG-218-I(7)E	25	66

EQUIPMENT LISTS

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
1	EA	SP	BASE MOUNTED LOCAL CABINET (SIZE 6) LESS DETECTION EQUIPMENT WITH 8 PHASE ASC II CONTROLLER WITH TELEMETRY
63	SF	813	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: - 2 EACH R10-6L (24" X 30")--GROUND MOUNT - 1 EACH R10-6R (24" X 30")--GROUND MOUNT - 2 EACH R10-11b (24" X 24")--MAST ARM MOUNT - 1 EACH W11-8b (72" X 36")--MAST ARM MOUNT - 1 EACH D3-2 (W. Washington St) (VAR." X 16")--MAST ARM MOUNT - 1 EACH D3-2 (W. Antietam St--ARROW) (VAR." X 16")--MAST ARM MOUNT

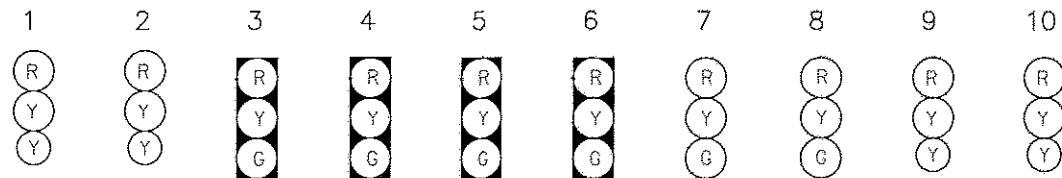
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
5	CY	205	TEST PIT EXCAVATION
6	CY	206	REMOVAL OF EXISTING SIDEWALK
175	LF	SP 555	12 INCH WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
200	LF	SP 555	24 INCH WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
4	EA	SP 555	PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LETTER
2	EA	SP 555	PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
150	LF	SP	REMOVE EXISTING PAVEMENT MARKINGS-- ANY WIDTH
450	SF	610	4 INCH CONCRETE SIDEWALK
1	EA	816	INSTALL CONTROLLER AND CABINET-- BASE MOUNT
48	SF	813	INSTALL OVERHEAD SIGN
15	SF	813	INSTALL GROUND MOUNTED SIGN
60	LF	812	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 4 INCH
2	EA	SP	FURNISH AND INSTALL 12 INCH 1 WAY 3 SECTION (R, Y, G) SIGNAL HEAD HAVING PROPER ADJUSTABLE MAST ARM BRACKET, AND TUNNEL VISORS--PAINTED BLACK
4	EA	SP	FURNISH AND INSTALL 12 INCH 1 WAY 3 SECTION (R, Y, W/8"Y) SIGNAL HEAD HAVING PROPER ADJUSTABLE MAST ARM BRACKET, AND TUNNEL VISORS--PAINTED BLACK
4	EA	SP	FURNISH AND INSTALL 12 INCH 1 WAY 3 SECTION (R, Y, G) OPTICALLY PROGRAMMED SIGNAL HEAD HAVING PROPER ADJUSTABLE MAST ARM BRACKET, AND TUNNEL VISORS--PAINTED BLACK
3	EA	811	FURNISH AND INSTALL ELECTRICAL HANDHOLE
9	CY	801	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
40	LF	805	FURNISH AND INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT--RISER
150	LF	805	FURNISH AND INSTALL 2" SCHEDULE 40 RIGID PVC CONDUIT--TRENCHED
45	LF	805	FURNISH AND INSTALL 3" SCHEDULE 40 RIGID PVC CONDUIT--TRENCHED
20	LF	805	FURNISH AND INSTALL 4" SCHEDULE 40 RIGID PVC CONDUIT--TRENCHED
100	LF	805	FURNISH AND INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT--SLOTTED
1	EA	807	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
1	EA	SP	FURNISH AND INSTALL 21-FOOT STEEL POLE WITH A SINGLE 38-FOOT MAST ARM-- PAINTED GREEN
1	EA	SP	FURNISH AND INSTALL 21-FOOT STEEL POLE WITH A SINGLE 70-FOOT MAST ARM-- PAINTED GREEN
1	EA	SP	CUT, CLEAN AND CAP TRAFFIC SIGNAL STRUCTURE
1	EA	SP	AS--BUILT FOR TRAFFIC SIGNAL
3	EA	804	FURNISH AND INSTALL GROUND ROD--3/4 INCH DIAMETER X 10-FOOT LENGTH
300	LF	810	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
200	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE-- 1 CONDUCTOR (NO. 4 AWG -- THHN/THWN)
300	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE-- 2 CONDUCTOR (NO 14 AWG)
150	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE-- 5 CONDUCTOR (NO 14 AWG)
900	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE-- 7 CONDUCTOR (NO 14 AWG)
2	EA	SP	REMOVE AND DISPOSE OF EXISTING FOUNDATION 12" BELOW GRADE
1	LS	SP	DELIVERY OF SALVAGED EQUIPMENT
1	LS	SP	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
1	LS	SP	REMOVAL OF EXISTING SIGNAL EQUIPMENT TO BE SALVAGED

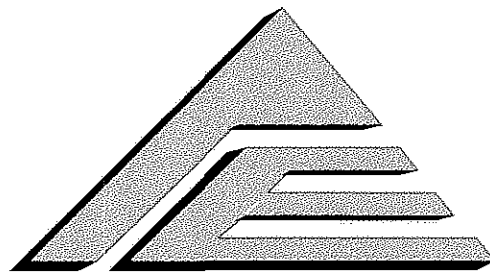
NOTE: ALL EQUIPMENT AND/OR MATERIALS TO BE REMOVED BY THE CONTRACTOR, BUT
NOT LISTED BELOW, SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

QUANTITY	UNIT	DESCRIPTION
1	EA	CONTROLLER AND CABINET

PHASING DIAGRAM



PHASE 2	FL/Y	FL/Y	G	R	R	G	R	R	FL/R	FL/R	
2 CHANGE	FL/Y	FL/Y	Y	R	R	Y	R	R	FL/R	FL/R	
PHASE 3	FL/Y	FL/Y	R	G	G	R	R	R	FL/R	FL/R	
3 CHANGE	FL/Y	FL/Y	R	Y	Y	R	R	R	FL/R	FL/R	
PHASE 4	FL/Y	FL/Y	R	R	R	R	G	G	FL/R	FL/R	
4 CHANGE	FL/Y	FL/Y	R	R	R	R	Y	Y	FL/R	FL/R	
PRE-EMPTION AT FIREHOUSE/ W. ANTETAM ST./ W. WASHINGTON ST.	FL/Y	FL/Y	R	R	R	R	R	R	R	R	
	Y	Y	R	R	R	R	R	R	R	R	
	R	R	R	R	R	R	R	R	FL/Y	FL/Y	
PRE-EMPTION CLEAR	R	R	R	R	R	R	R	R	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	



A/E GROUP, INC.
ENGINEERS • PLANNERS
181 E. Main Street
Westminster, Maryland 21158
A/E Job No. 95-289

REVISIONS	APPROVALS	MDOT - STATE HIGHWAY ADMINISTRATION	
		Office of Traffic & Safety	
		TRAFFIC ENGINEERING DESIGN DIVISION	
		DRAWN BY: M. GESELL	US 40 East (Washington Ave.) at West Washington St./West Antietam St. /City Fire Station Company No. 4
		DES. BY: J. LAWRENCE	
	CHIEF, SIGNAL DESIGN SECTION	GENERAL INFORMATION	
	ASST. DISTRICT ENGINEER, TRAFFIC	COUNTY: WASHINGTON	
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	DATE: 05/30/97	F.A.P. NO. STPG-218-I(7)E
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	SCALE: 1" = 20'	S.H.A. NO. WA9535185
		SHEET NO. 25 OF 66	